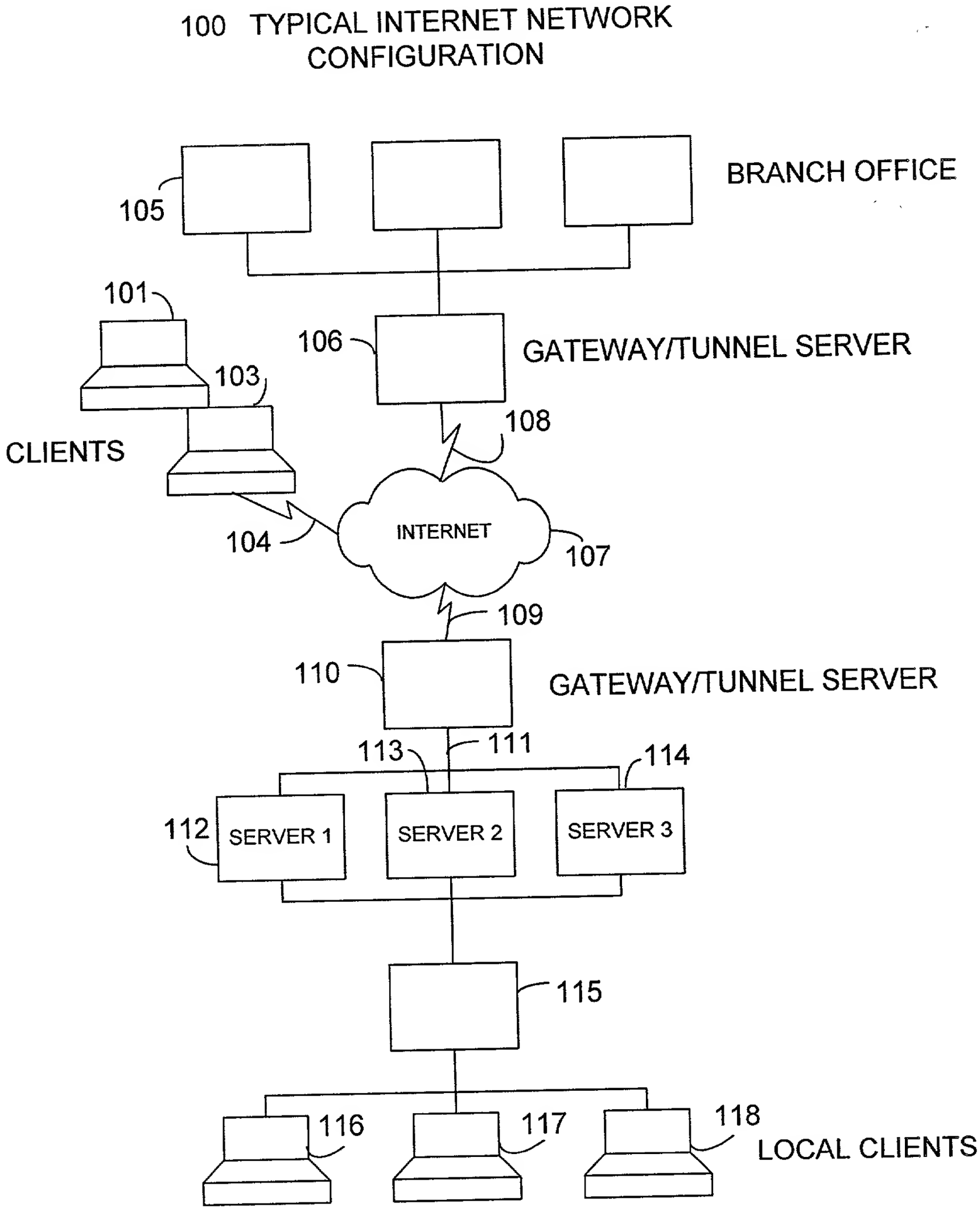
100 TYPICAL INTERNET NETWORK CONFIGURATION
105
BRANCH OFFICE
101
106
GATEWAY/TUNNEL SERVER
103
108
CLIENTS
104
INTERNET
107
109
110
GATEWAY/TUNNEL SERVER
113
111
114
112
SERVER 1
SERVER 2
SERVER 3
115
116
117
118
LOCAL CLIENTS

FIG. 1

Case 4:08-cv-00369-SBA Document 1-3 Filed 01/22/2008 Page 3 of 8

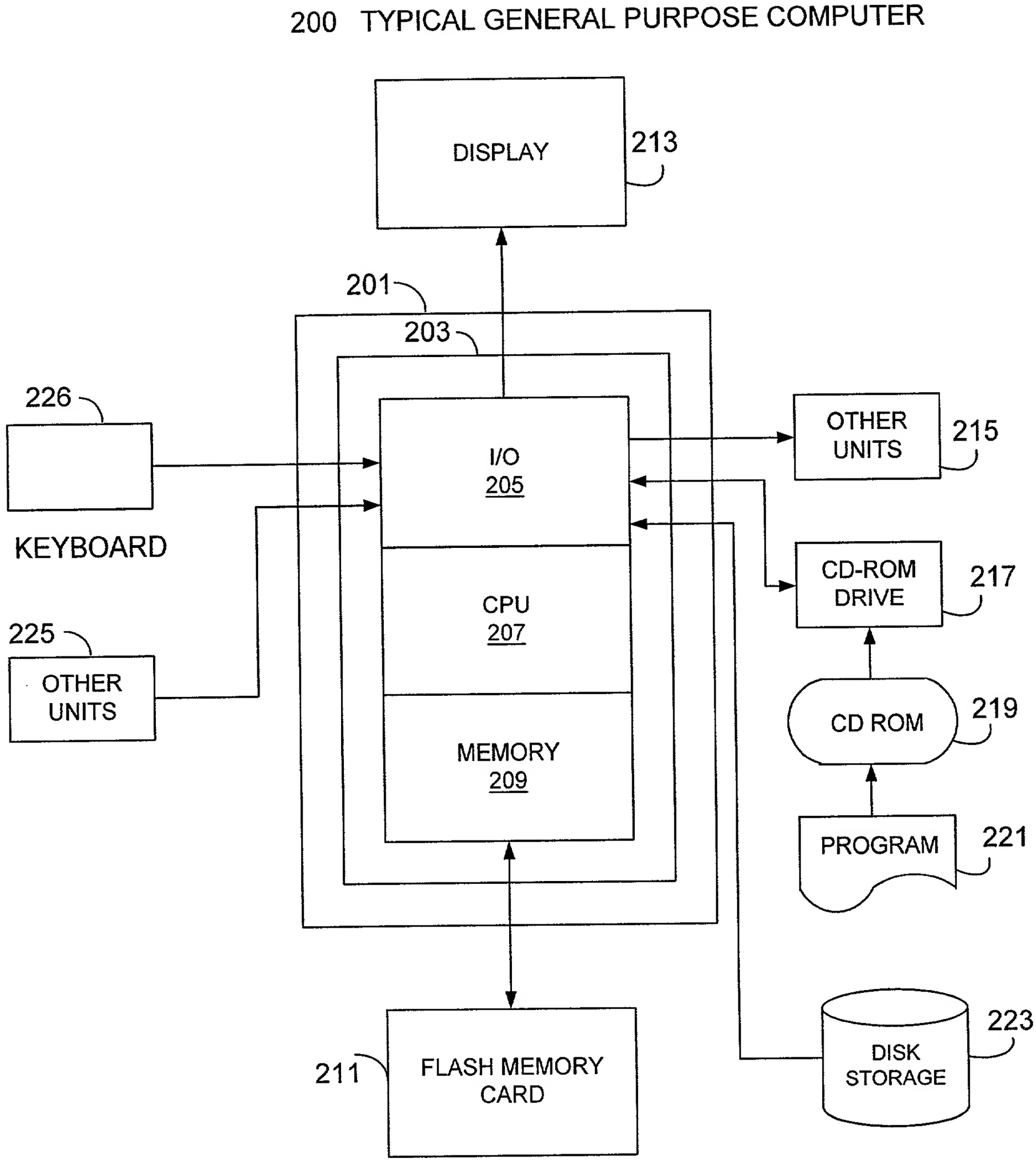

FIG. 2

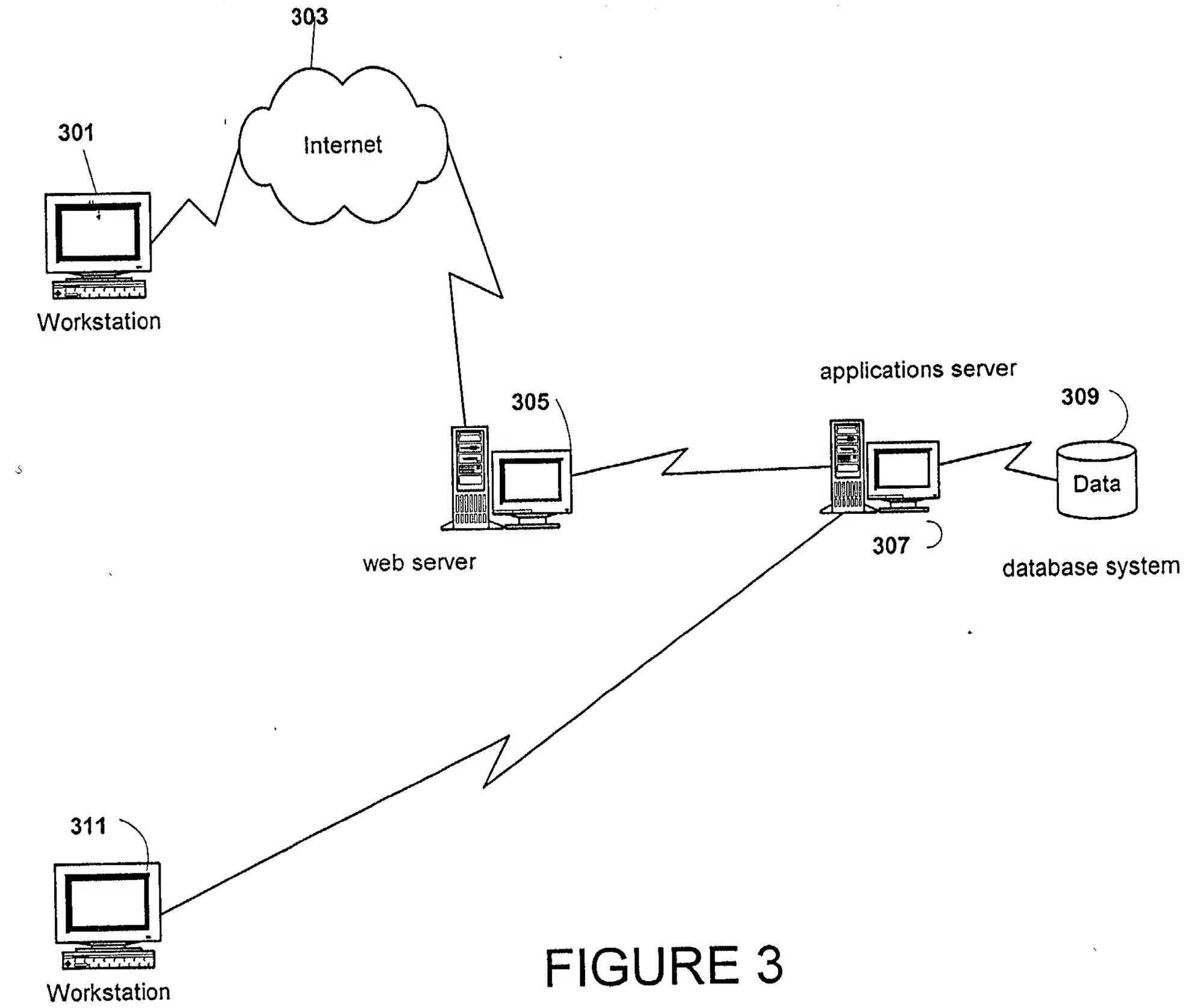

FIGURE 3

dedicated client

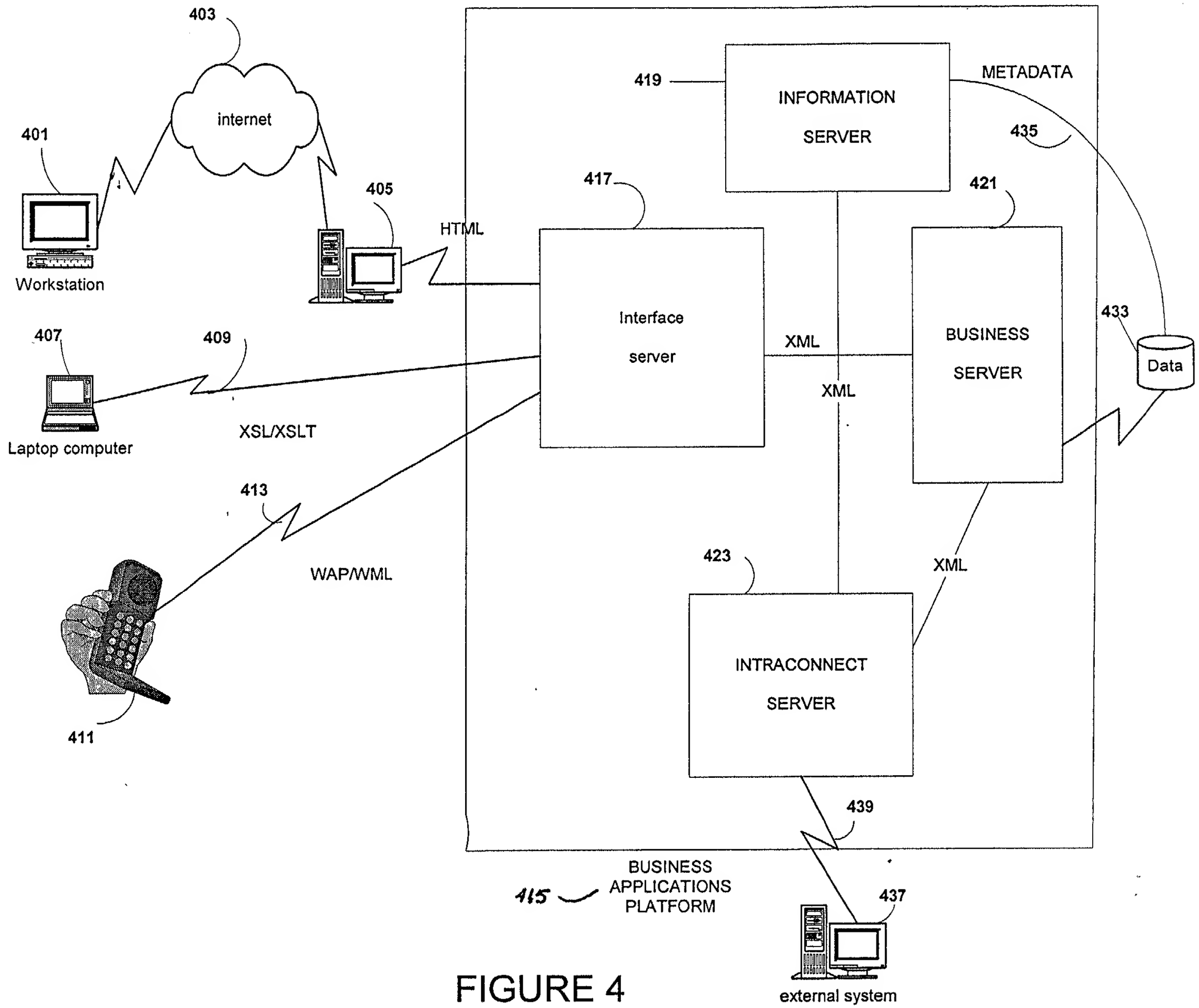
403
internet
401
405
Workstation
HTML
419
INFORMATION
SERVER
METADATA
435
417
421
Interface
server
XML
BUSINESS
SERVER
433
Data
407
409
XML
Laptop computer
XSL/XSLT
413
423
XML
INTRACONNECT
SERVER
WAP/WML
411
439
BUSINESS
APPLICATIONS
PLATFORM
415
437
external system

FIGURE 4

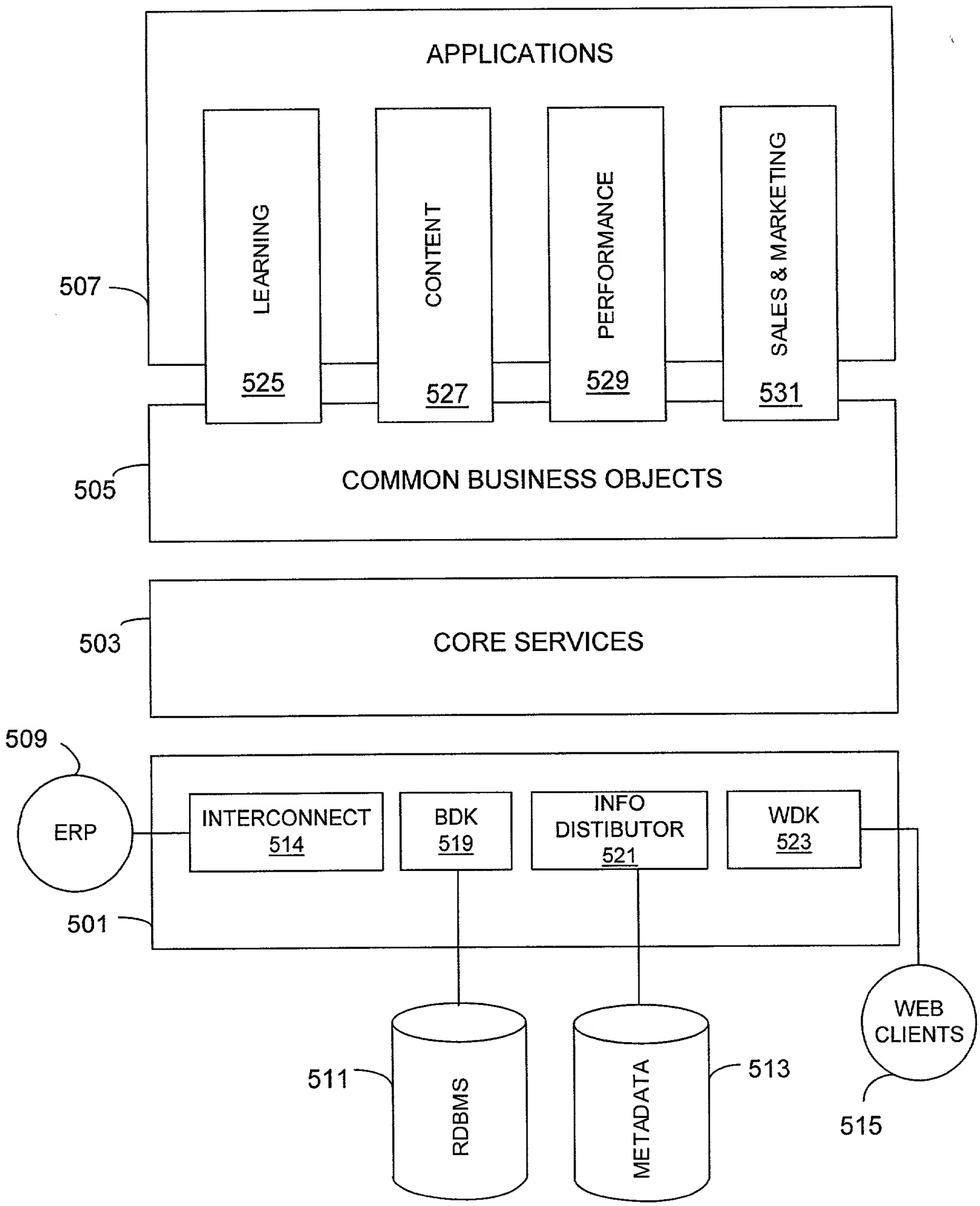
APPLICATIONS
507
LEARNING
525
CONTENT
527
PERFORMANCE
529
SALES & MARKETING
531
505
COMMON BUSINESS OBJECTS
503
CORE SERVICES
509
ERP
INTERCONNECT
514
BDK
519
INFO
DISTIBUTOR
521
WDK
523
501
WEB
CLIENTS
515
511
RDBMS
METADATA
513

FIG. 5

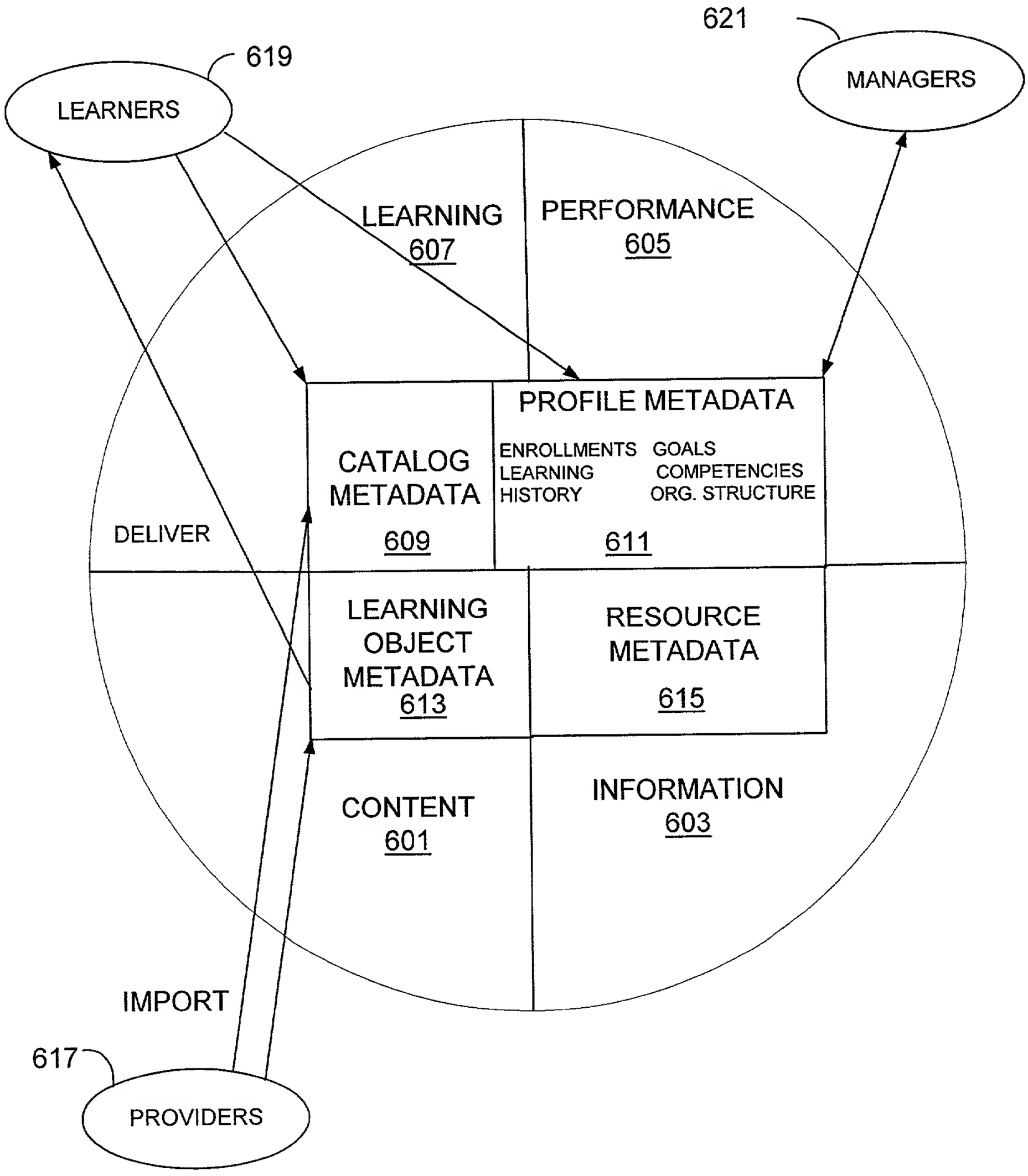
621
MANAGERS
619
LEARNERS
LEARNING
607
PERFORMANCE
605
PROFILE METADATA
ENROLLMENTS
GOALS
LEARNING
HISTORY
COMPETENCIES
ORG. STRUCTURE
611
DELIVER
CATALOG
METADATA
609
LEARNING
OBJECT
METADATA
613
RESOURCE
METADATA
615
CONTENT
601
INFORMATION
603
IMPORT
617
PROVIDERS

FIG. 6

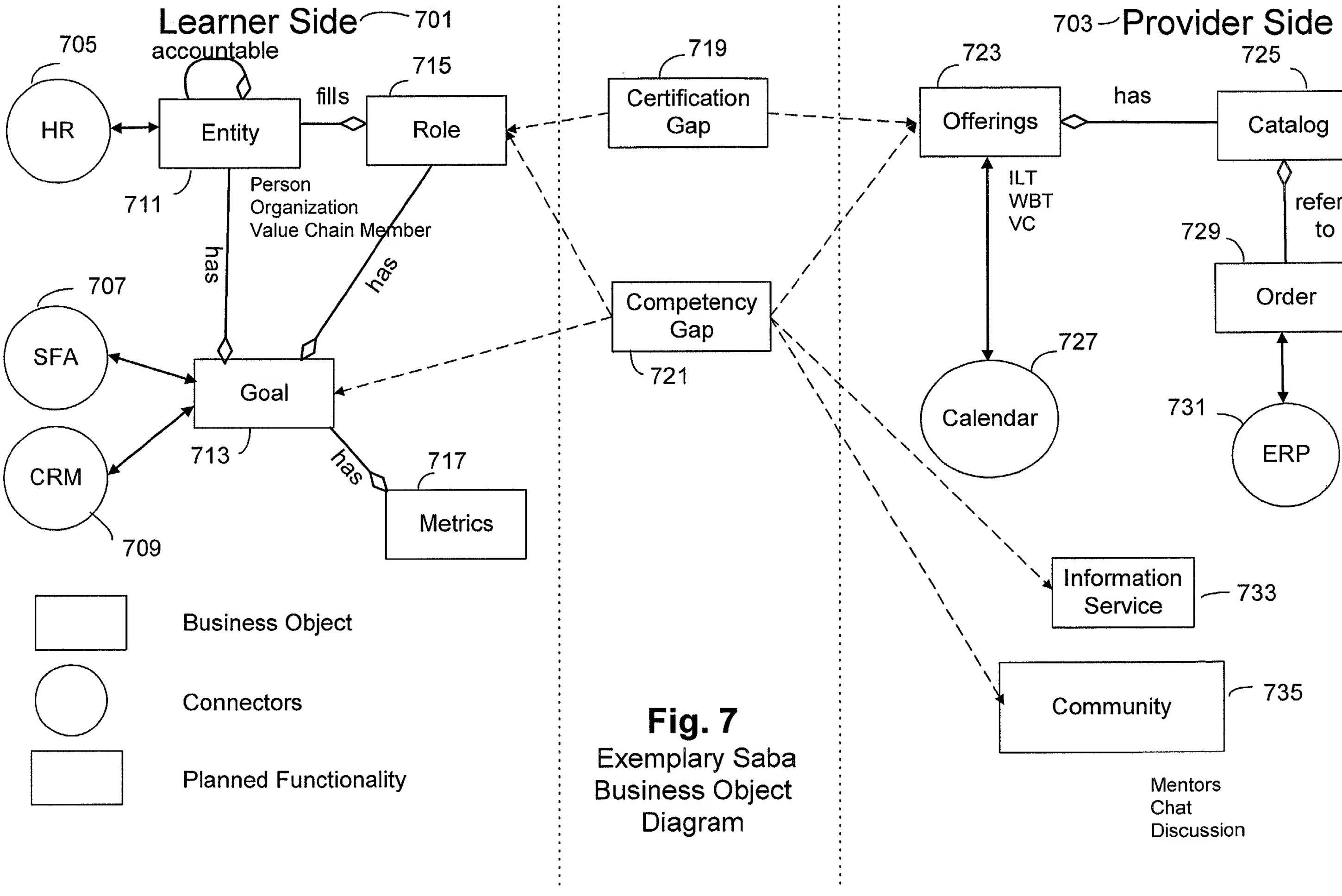

Fig. 7
Exemplary Saba Business Object Diagram

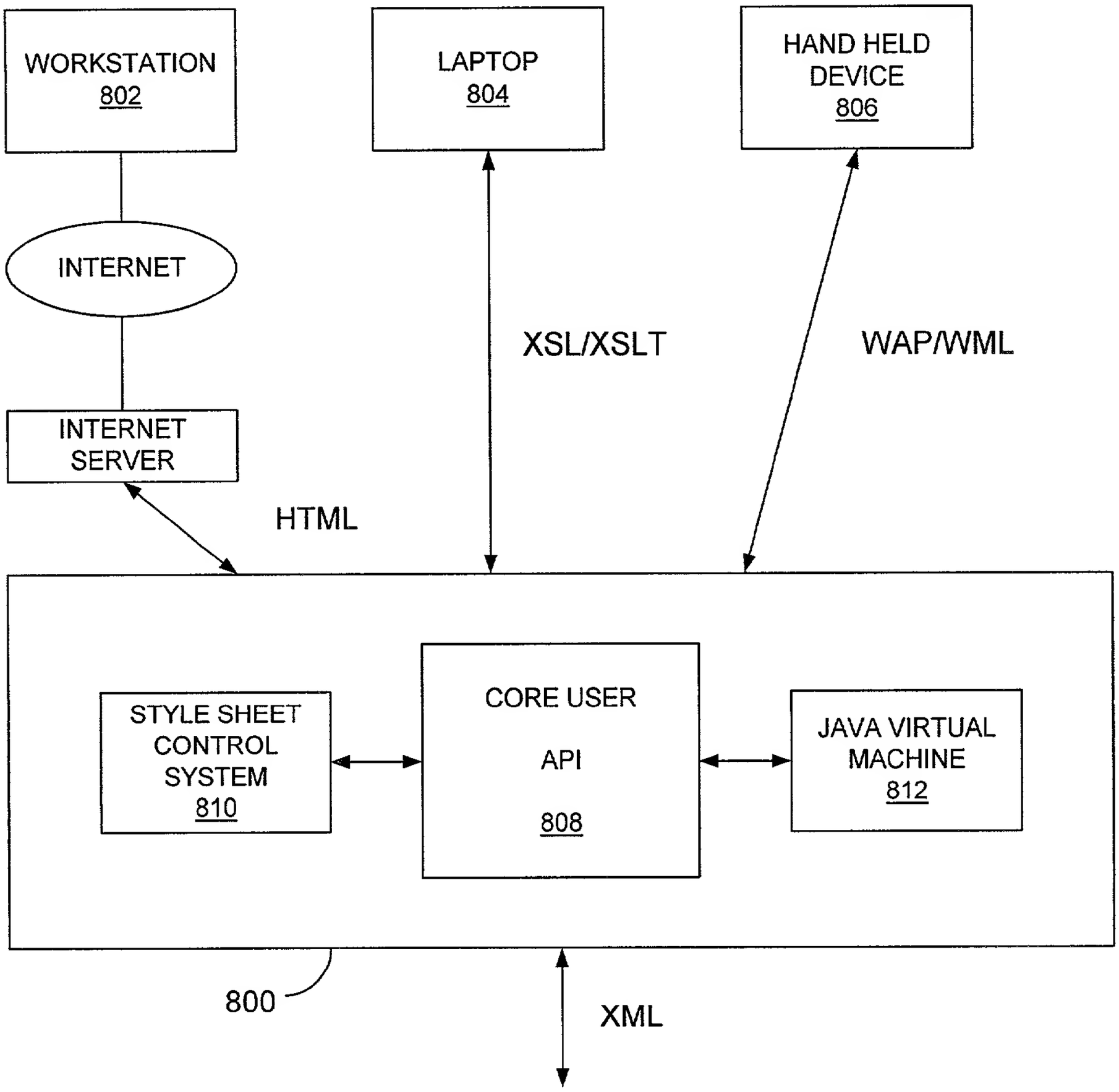
WORKSTATION
802
LAPTOP
804
HAND HELD
DEVICE
806
INTERNET
XSL/XSLT
WAP/WML
INTERNET
SERVER
HTML
STYLE SHEET
CONTROL
SYSTEM
810
CORE USER
API
808
JAVA VIRTUAL
MACHINE
812
800
XML

FIG. 8A

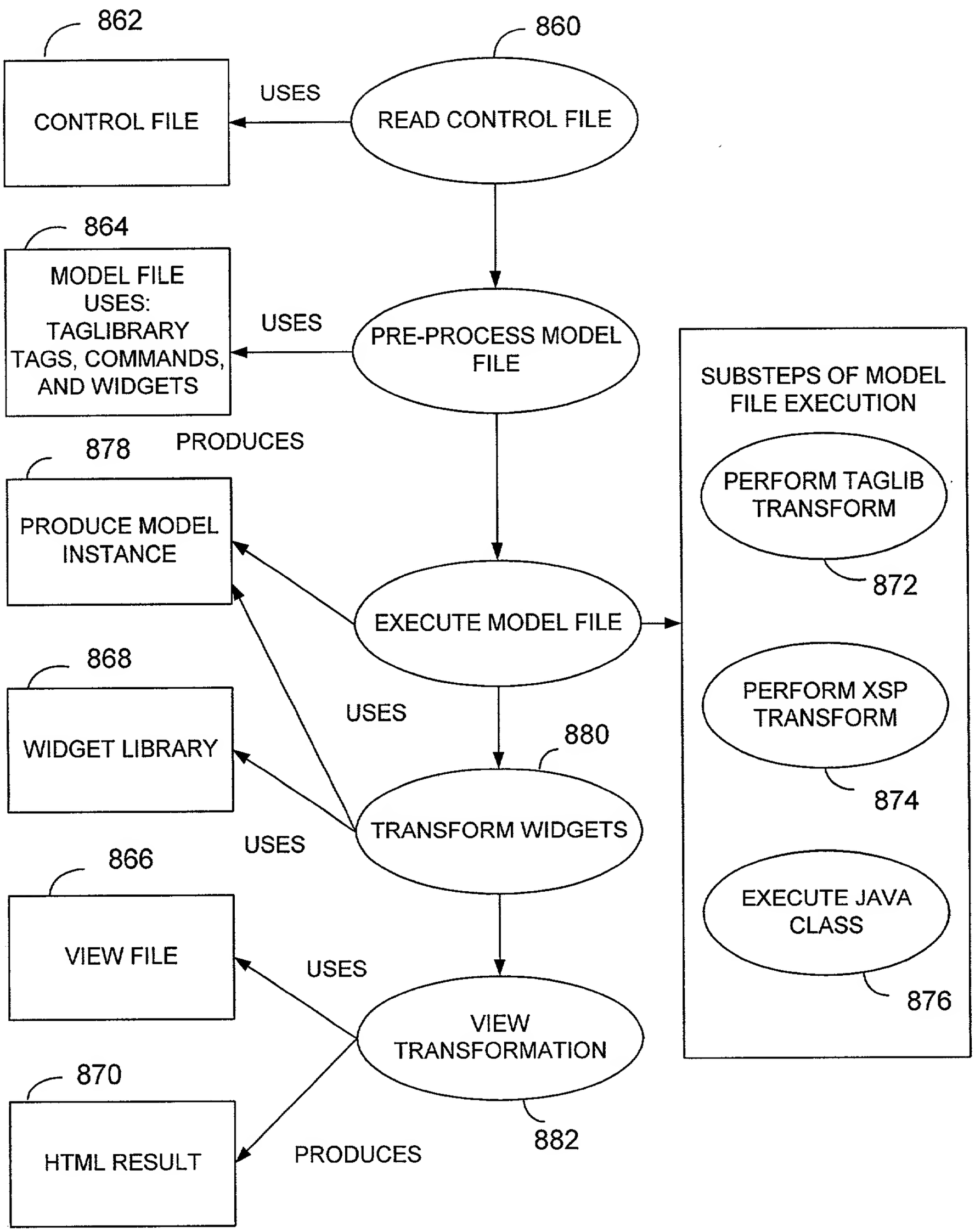
862
CONTROL FILE
USES
860
READ CONTROL FILE
864
MODEL FILE USES: TAGLIBRARY TAGS, COMMANDS, AND WIDGETS
USES
PRE-PROCESS MODEL FILE
SUBSTEPS OF MODEL FILE EXECUTION
PRODUCES
878
PRODUCE MODEL INSTANCE
PERFORM TAGLIB TRANSFORM
872
EXECUTE MODEL FILE
868
WIDGET LIBRARY
USES
880
PERFORM XSP TRANSFORM
874
TRANSFORM WIDGETS
USES
866
VIEW FILE
EXECUTE JAVA CLASS
876
USES
VIEW TRANSFORMATION
882
870
HTML RESULT
PRODUCES

FIG. 8B

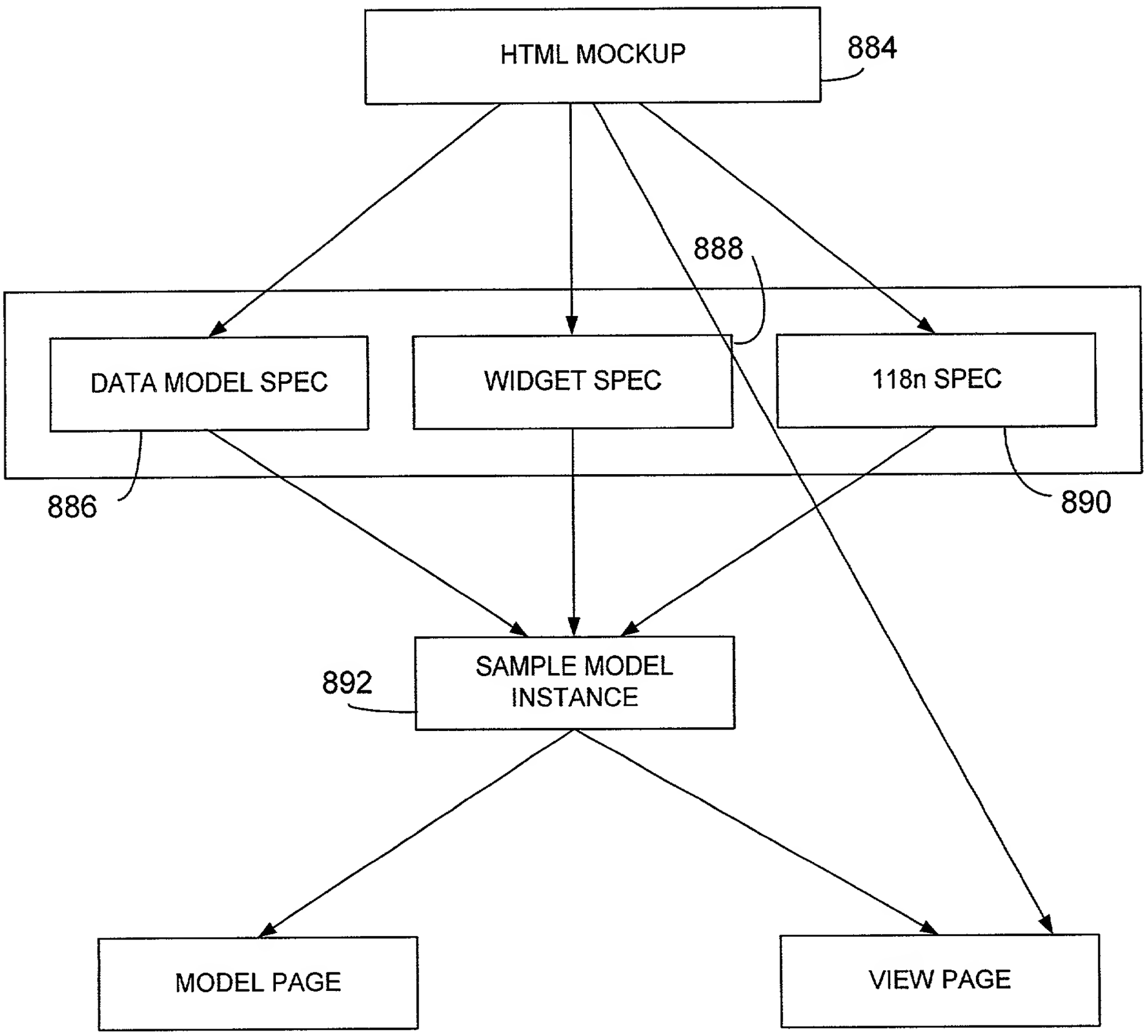
HTML MOCKUP
884
888
DATA MODEL SPEC
WIDGET SPEC
118n SPEC
886
890
892
SAMPLE MODEL INSTANCE
MODEL PAGE
VIEW PAGE

FIG. 8C

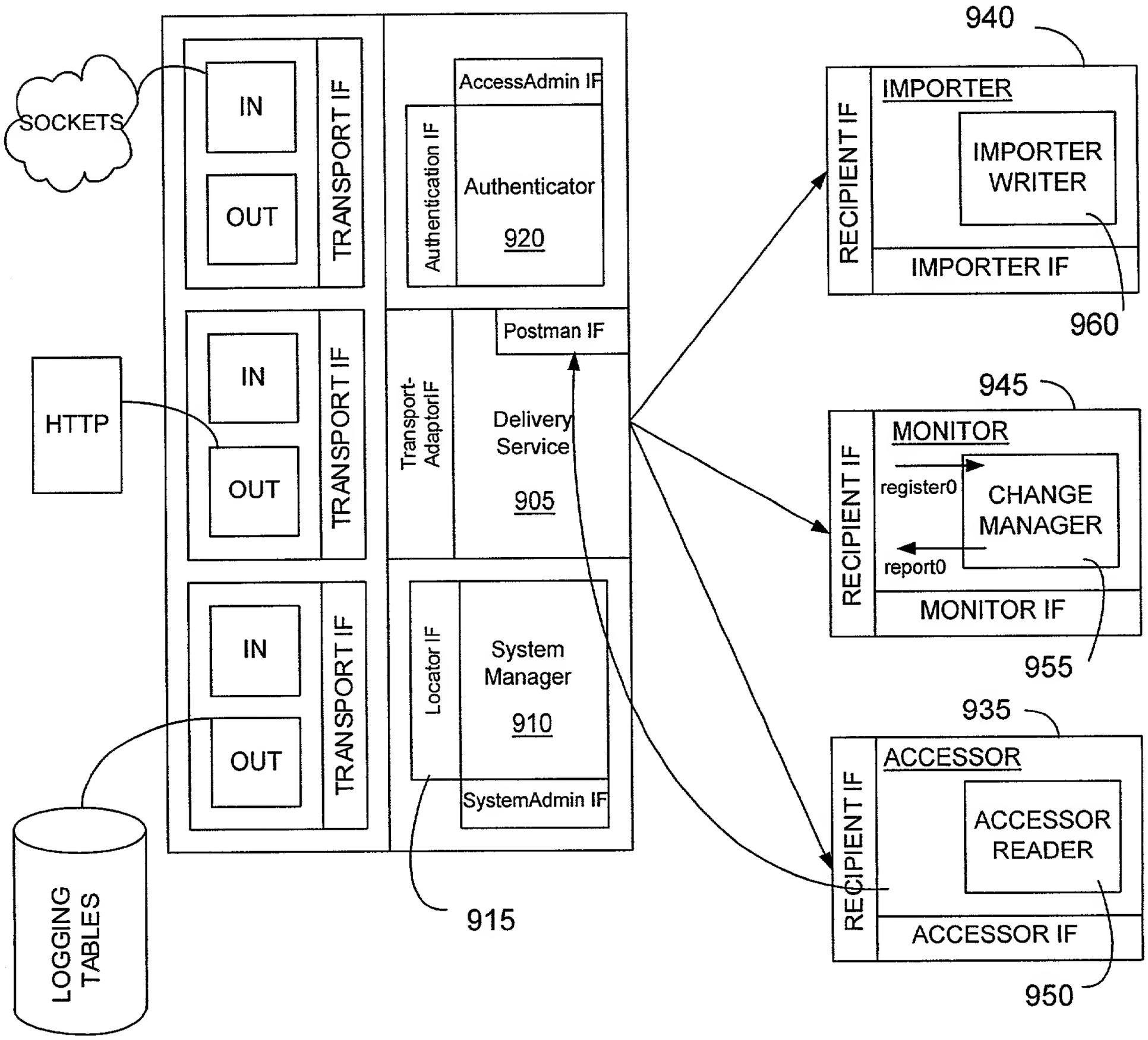
940
IMPORTER
IMPORTER WRITER
RECIPIENT IF
IMPORTER IF
960
945
MONITOR
register0
CHANGE MANAGER
report0
RECIPIENT IF
MONITOR IF
955
935
ACCESSOR
ACCESSOR READER
RECIPIENT IF
ACCESSOR IF
950
SOCKETS
IN
OUT
TRANSPORT IF
AccessAdmin IF
Authentication IF
Authenticator
920
HTTP
IN
OUT
TRANSPORT IF
Postman IF
Transport-AdaptorIF
Delivery Service
905
IN
OUT
TRANSPORT IF
Locator IF
System Manager
910
SystemAdmin IF
LOGGING TABLES
915

FIG. 9

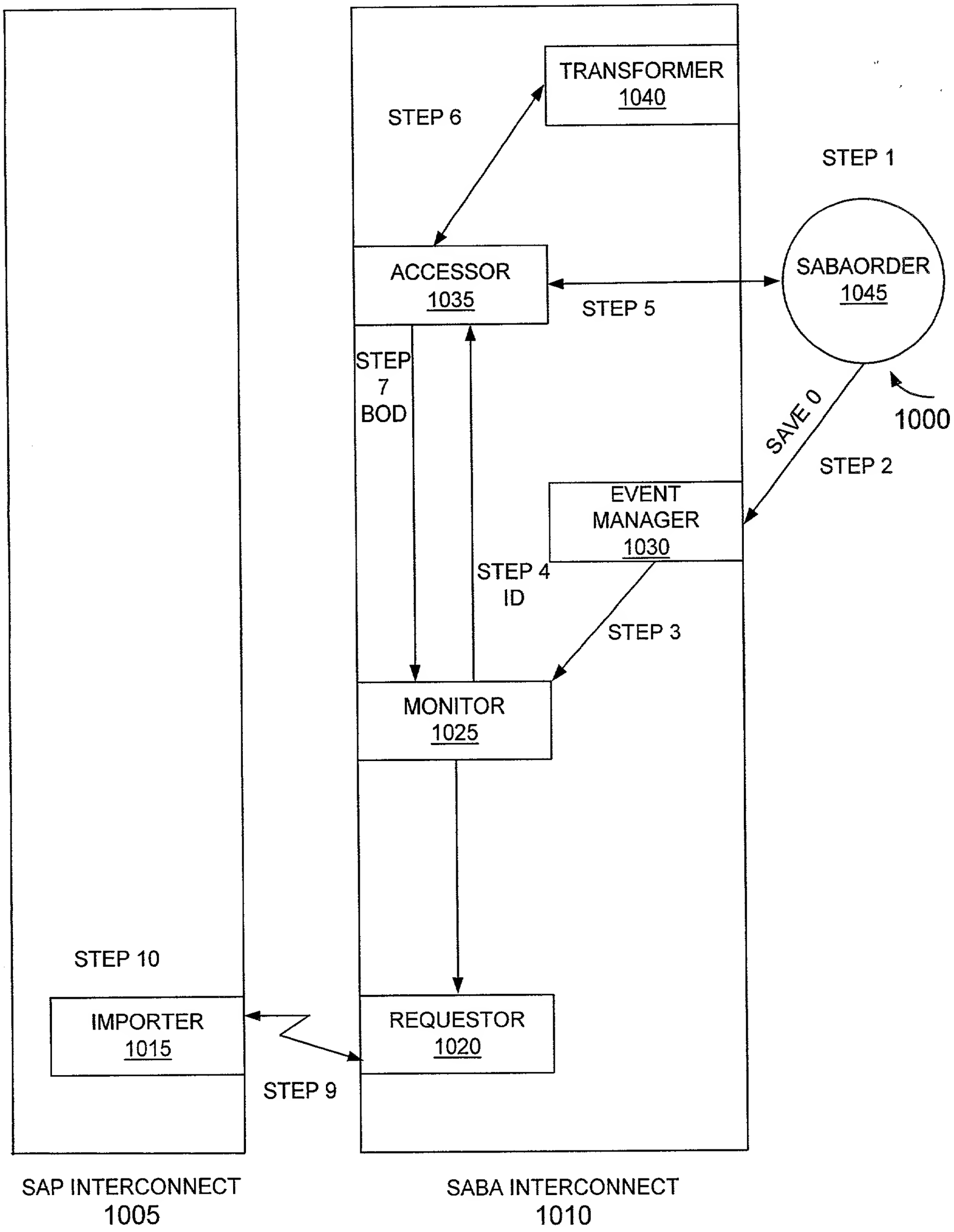
TRANSFORMER
1040
STEP 6
STEP 1
ACCESSOR
1035
SABAORDER
1045
STEP 5
STEP
7
BOD
SAVE 0
1000
STEP 2
EVENT
MANAGER
1030
STEP 4
ID
STEP 3
MONITOR
1025
STEP 10
IMPORTER
1015
REQUESTOR
1020
STEP 9
SAP INTERCONNECT
1005
SABA INTERCONNECT
1010

FIG. 10

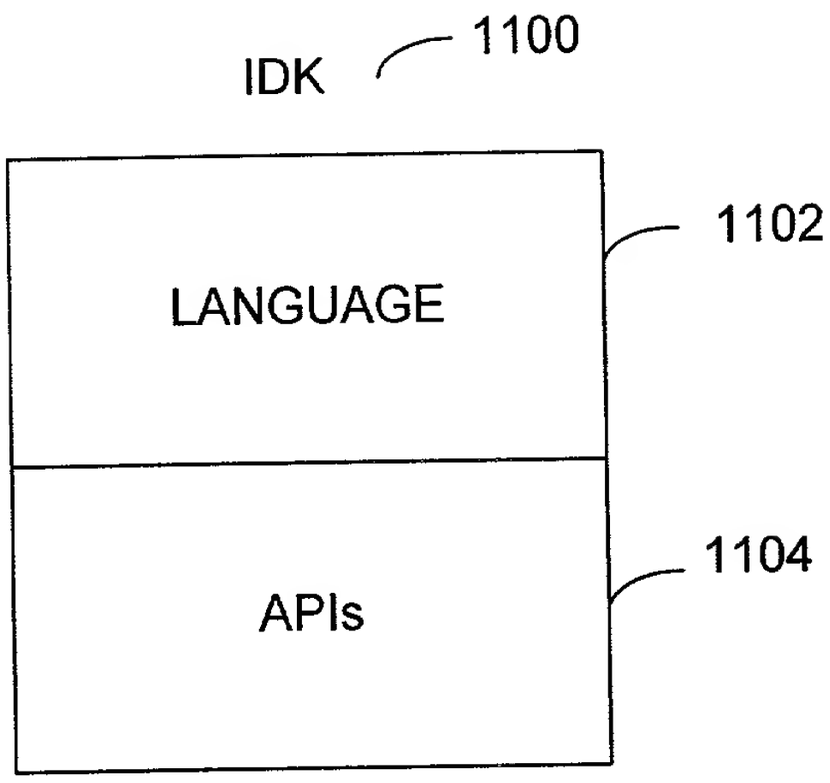
IDK
1100
LANGUAGE
1102
APIs
1104

FIG. 11

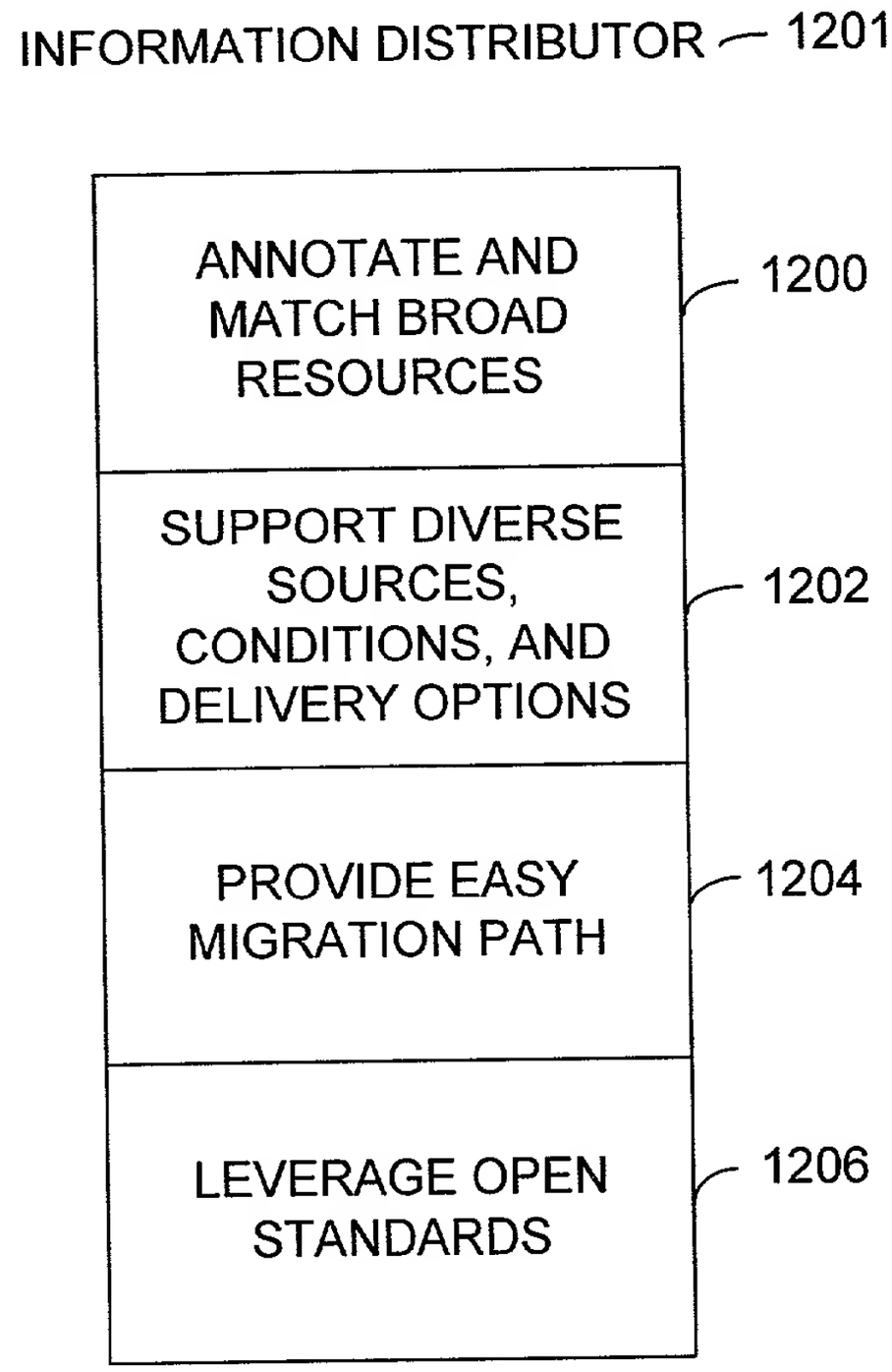
INFORMATION DISTRIBUTOR
1201
ANNOTATE AND MATCH BROAD RESOURCES
1200
SUPPORT DIVERSE SOURCES, CONDITIONS, AND DELIVERY OPTIONS
1202
PROVIDE EASY MIGRATION PATH
1204
LEVERAGE OPEN STANDARDS
1206

FIG. 12

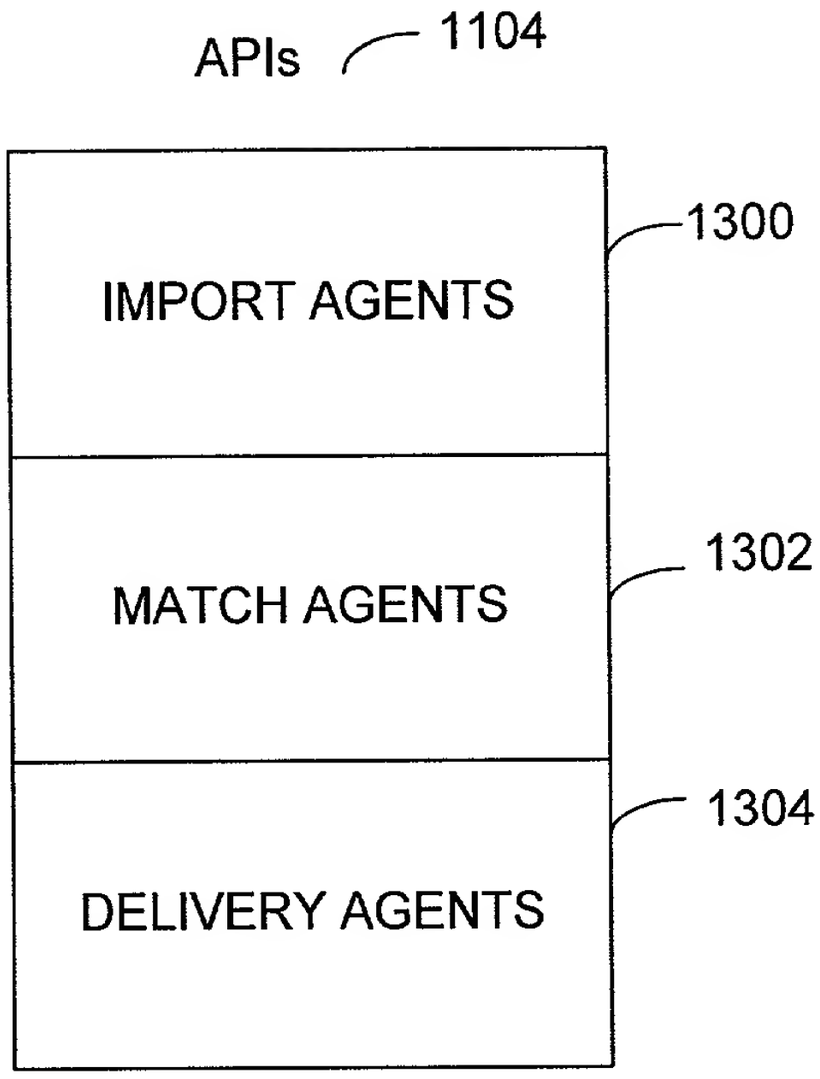
APIs
1104
IMPORT AGENTS
1300
MATCH AGENTS
1302
DELIVERY AGENTS
1304

FIG. 13

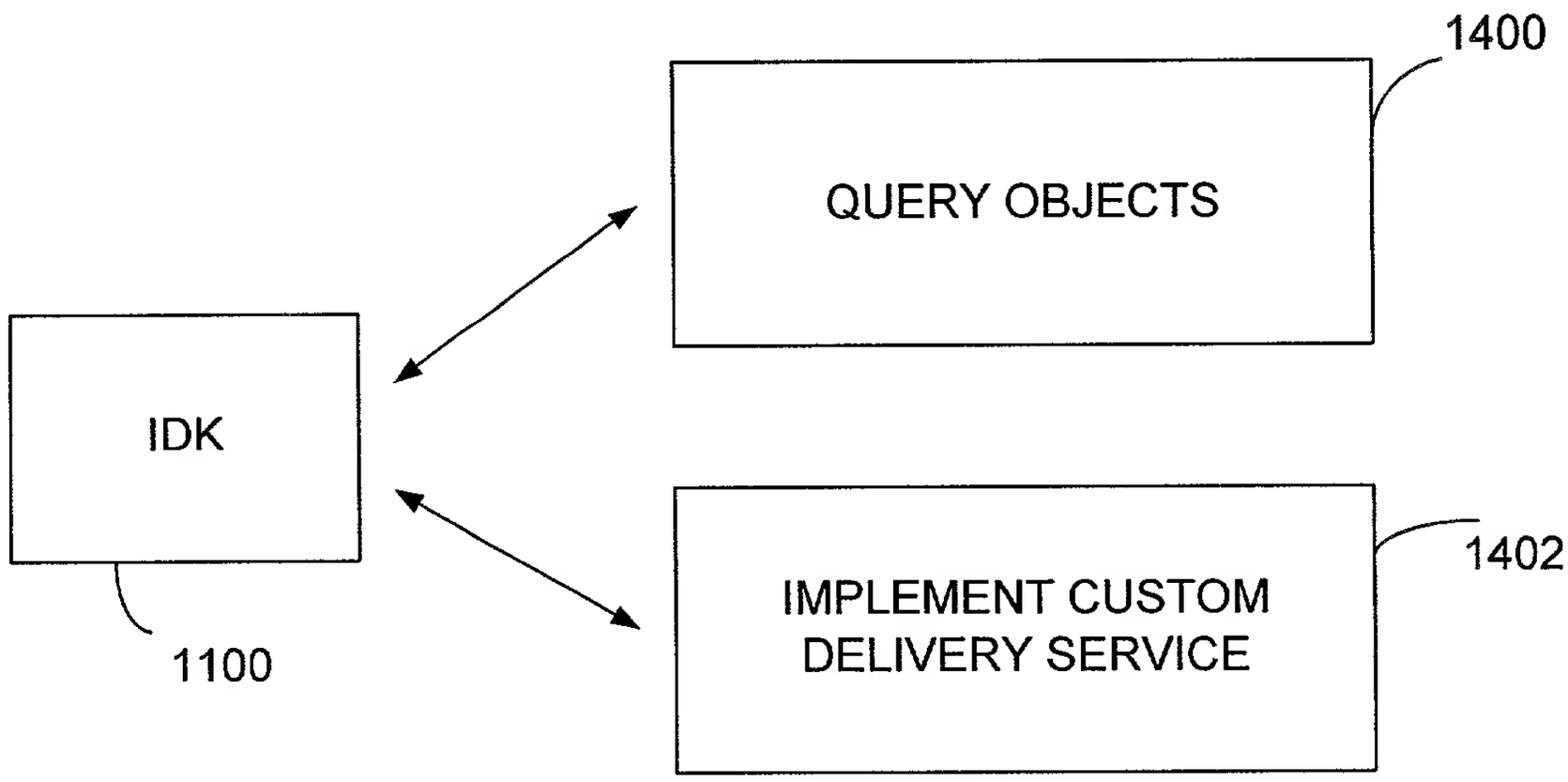
1400
QUERY OBJECTS
IDK
1100
IMPLEMENT CUSTOM
DELIVERY SERVICE
1402

FIG. 14

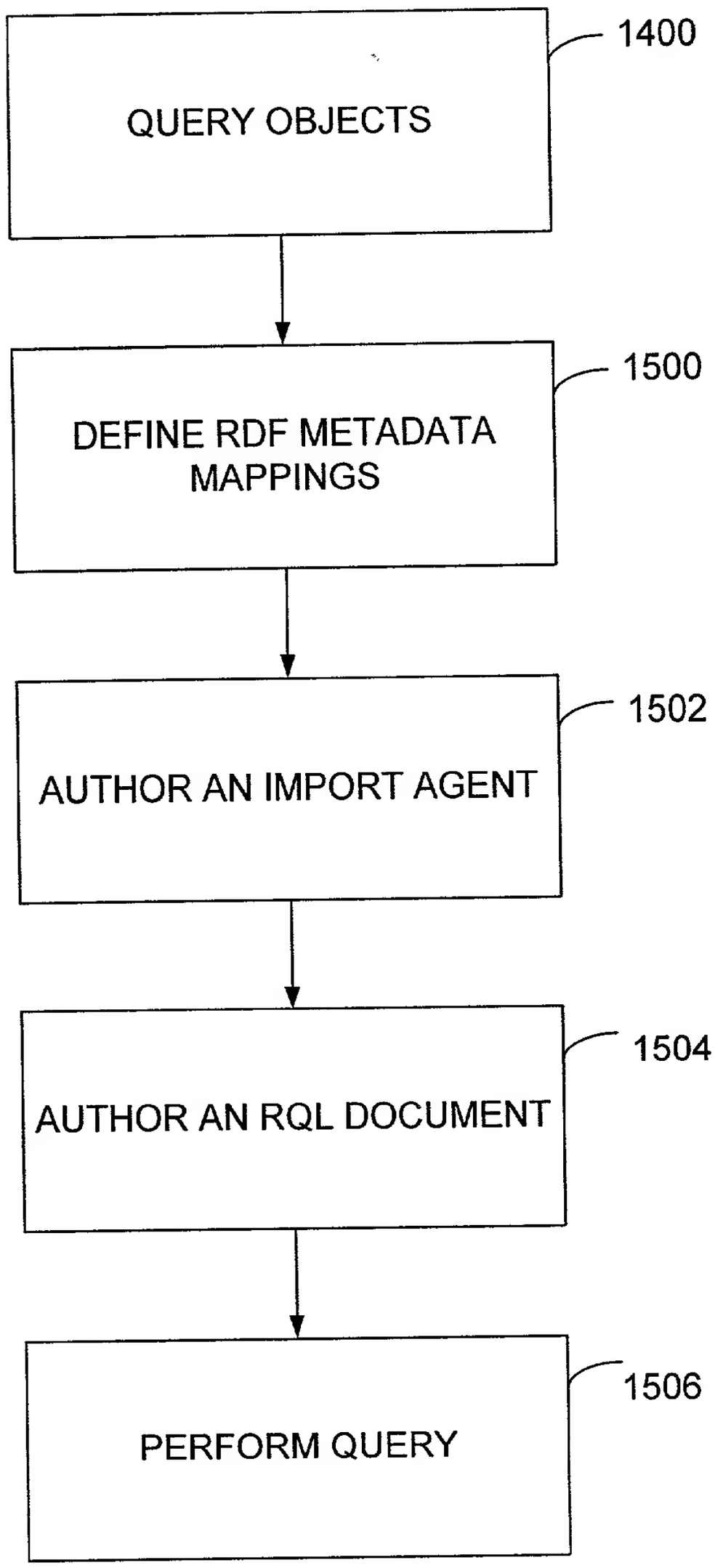
QUERY OBJECTS
1400
DEFINE RDF METADATA MAPPINGS
1500
AUTHOR AN IMPORT AGENT
1502
AUTHOR AN RQL DOCUMENT
1504
PERFORM QUERY
1506

FIG. 15

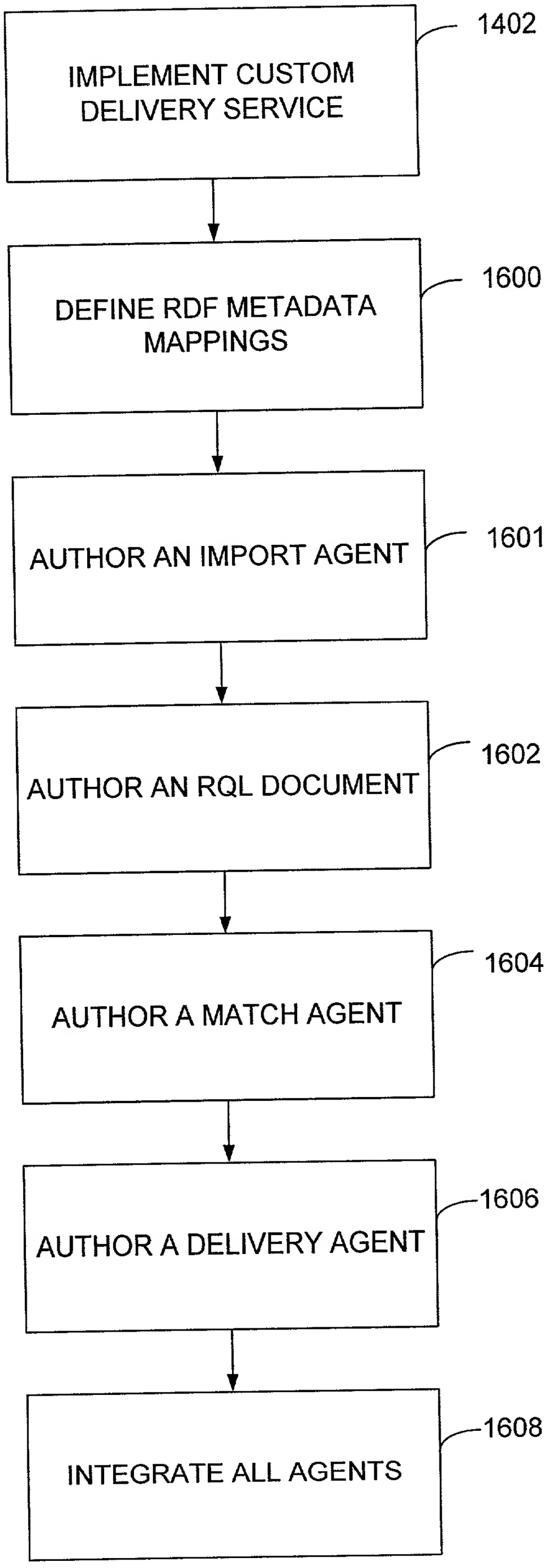
IMPLEMENT CUSTOM DELIVERY SERVICE
1402
DEFINE RDF METADATA MAPPINGS
1600
AUTHOR AN IMPORT AGENT
1601
AUTHOR AN RQL DOCUMENT
1602
AUTHOR A MATCH AGENT
1604
AUTHOR A DELIVERY AGENT
1606
INTEGRATE ALL AGENTS
1608

FIG. 16

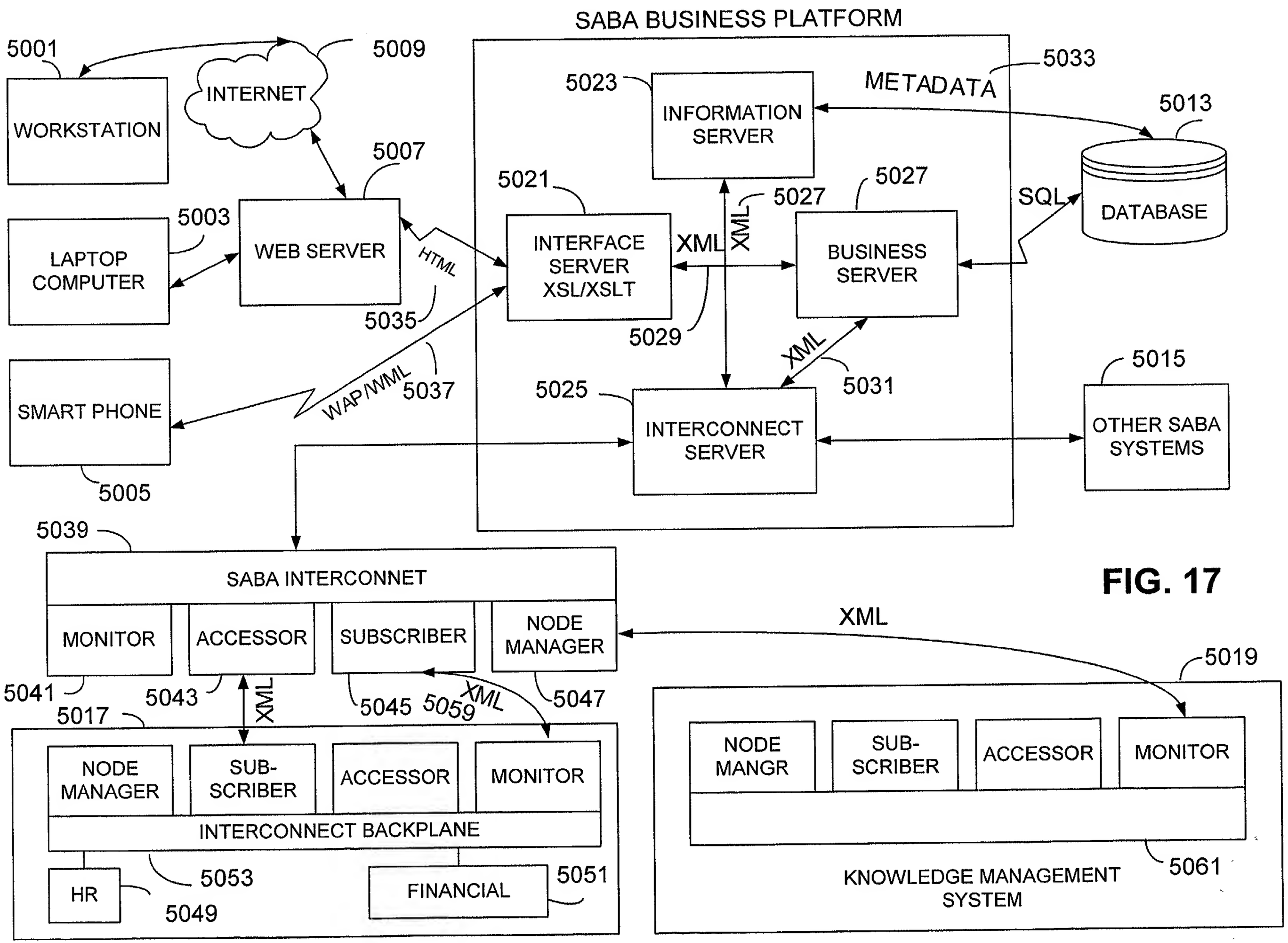
SABA BUSINESS PLATFORM
5001
WORKSTATION
INTERNET
5009
5007
5003
LAPTOP COMPUTER
WEB SERVER
HTML
5035
5021
INTERFACE SERVER XSL/XSLT
XML
5029
5023
INFORMATION SERVER
METADATA
5033
5013
DATABASE
SQL
5027
XML
BUSINESS SERVER
SMART PHONE
WAP/WML
5037
5005
5025
INTERCONNECT SERVER
XML
5031
5015
OTHER SABA SYSTEMS
5039
SABA INTERCONNET
MONITOR
ACCESSOR
SUBSCRIBER
NODE MANAGER
5041
5043
5045
5059
XML
5047
5017
NODE MANAGER
SUB-SCRIBER
ACCESSOR
MONITOR
INTERCONNECT BACKPLANE
HR
5053
5049
FINANCIAL
5051
XML
5019
NODE MANGR
SUB-SCRIBER
ACCESSOR
MONITOR
5061
KNOWLEDGE MANAGEMENT SYSTEM

FIG. 17